

Converting Colors

XYZ(9.9627, 13.3804, 10.8617)

Have a look what the booklet for
XYZ(9.9627, 13.3804, 10.8617)
contains.

XYZ(9.9627, 13.3804, 10.8617)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(9.9627, 13.3804,
10.8617)**

Conversions

Conversions Part 1

Format	Color
Hex	476F56
RGB	71, 111, 86
RGB Percent	28%, 44%, 34%
CMY	0.7216, 0.5647, 0.6627
CMYK	0.36, 0.00, 0.23, 0.56
HSL	142°, 22%, 36%
HSV	142°, 36%, 44%
XYZ	9.9627, 13.3804, 10.8617
YIQ	96.1900, -15.8150, -16.2550

Conversions

Conversions Part 2

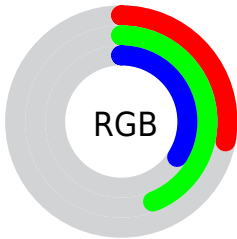
Format	Color
R_{YB}	71, 100, 111
Decimal	4681558
CIE _{Lab}	43.33, -19.99, 9.54
CIE _{LCh}	43, 22.147, 154.489
Yxy	13.3804, 0.2913, 0.3912
Android (android.graphics.Color)	4282871638 (0xFF476F56)
YUV	96.1900, -5.0237, -22.0916
Hunter-Lab	36.5792, -15.3975, 8.0001

Details

The XYZ color **9.9627, 13.3804, 10.8617** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9206, 8.7308, 12.1765**, and the grayscale version is **11.1792, 11.7614, 12.8082**.

A 20% lighter version of the original color is **25.4263, 32.0369, 28.1362**, and **2.5544, 3.9093, 2.7178** is the 20% darker color. If you saturate the color by 10%, you get **8.9558, 12.8924, 9.4257**, and if you desaturate by 10%, it is **11.1463, 13.9570, 12.4482**.

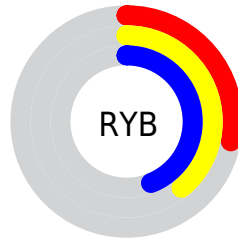
Distribution



Red (28%)

Green (44%)

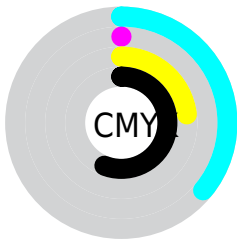
Blue (34%)



Red (28%)

Yellow (39%)

Blue (44%)

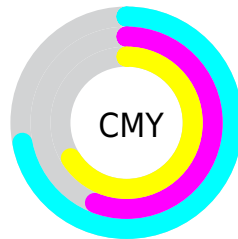


Cyan (36%)

Magenta (0%)

Yellow (23%)

Black (56%)



Cyan (72%)

Magenta (56%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9627, 13.3804, 10.8617 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 9.9627, 13.3804, 10.8617 by changing the saturation by 10% instead.

■ 9.9627, 13.3804,
10.8617

■ 9.9627, 13.3804,
10.8617

184.4648,
213.3414, 207.4195

■ 5.4363, 7.6910,
5.8609

■ 25.3756, 31.9855,
28.0369

■ 2.5428, 3.8979,
2.6933

■ 36.9929, 45.6700,
41.0483

■ 0.9169, 1.6166,
0.9400

■ 51.7045, 62.7884,
57.5671

■ 0.0000, 0.3688,
0.0000

■ 69.8757, 83.7250,
78.0117

■ 0.0000, 0.0000,
0.0000

■ 91.8721, 108.8642,
102.8008

118.0588,

138.5904, 132.3527

148.8012,
173.2880, 167.0861

■ 9.9627, 13.3804,
10.8617

■ 9.9627, 13.3804,
10.8617

■ 8.9558, 12.8924,
9.4257

■ 11.1463, 13.9570,
12.4482

■ 8.1155, 12.4870,
8.1349

■ 12.5136, 14.6248,
14.1886

■ 7.4326, 12.1597,
6.9849

■ 14.0728, 15.3882,
16.0873

■ 6.8963, 11.9051,
5.9709

■ 15.8311, 16.2508,
18.1480

■ 6.4944, 11.7170,
5.0875

■ 17.7953, 17.2162,
20.3747

■ 6.2015, 11.5825,
4.3288

■ 19.9721, 18.2876,
22.7710

■ 6.0960, 11.5339,
4.0605

■ 22.3675, 19.4681,
25.3404

■ 24.9878, 20.7608,
28.0862

■ 27.8384, 22.1686,
31.0120

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.9370, 13.3804, 8.0785



9.9627, 13.3804, 10.8617



9.6999, 13.3804, 15.3222

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



9.9627, 13.3804, 10.8617



12.9780, 13.3804, 26.1853



15.6401, 13.3804, 9.8408

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



9.9627, 13.3804, 10.8617



10.9206, 8.7308, 12.1765

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.3042, 13.3804, 13.8409



9.9627, 13.3804, 10.8617



14.6818, 13.3804, 23.8431

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



9.9627, 13.3804, 10.8617



11.3470, 13.3804, 24.8865



15.9388, 13.3804, 19.0363



14.1944, 13.3804, 7.5889

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



9.9627, 13.3804, 10.8617



9.9415, 13.3804, 18.8540



15.9388, 13.3804, 19.0363



15.9678, 13.3804, 10.9880

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



9.9631, 13.3810, 10.8620



23.6856, 26.8128, 26.9807



11.6813, 14.3294, 8.1115



5.6233, 6.4088, 6.4001



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



9.9631, 13.3810, 10.8620



16.3494, 23.2367, 17.3374



10.8676, 13.7428, 15.6254



3.3920, 3.7820, 3.8706



7.1710, 13.5859, 4.7212



35.3328, 67.5218, 21.4697

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.9206, 8.7308, 12.1765



18.3280, 13.6181, 20.0466



10.1253, 8.4127, 7.9887



3.4639, 3.4333, 3.9697



8.9918, 4.4891, 7.0325



44.3638, 22.1908, 32.7777

Previews

White Background



This preview shows how the XYZ color 9.9627, 13.3804, 10.8617 looks on a white background.

Color Contrast Check

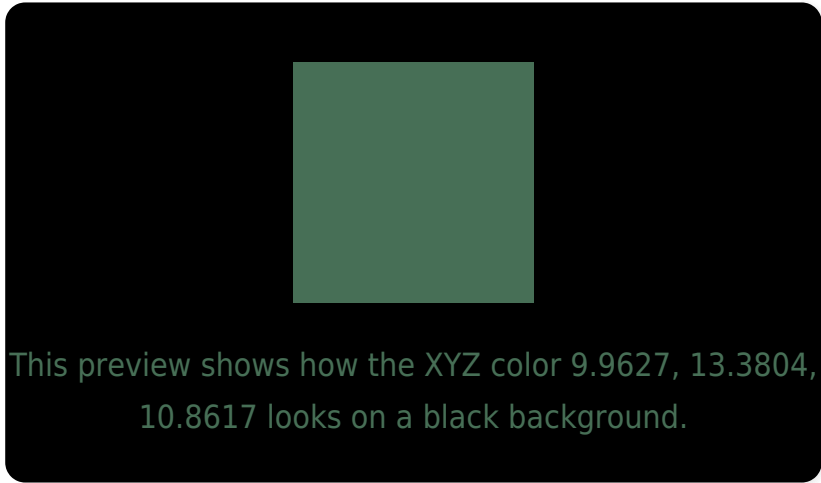
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.9627, 13.3804, 10.8617

Background



This preview shows how black text looks on a background with the XYZ color 9.9627, 13.3804, 10.8617.



This preview shows how white text looks on a background with the XYZ color 9.9627, 13.3804,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

9.9627, 13.3804, 10.8617

Protanopia

12.4587, 13.3001, 9.8932

Deuteranopia

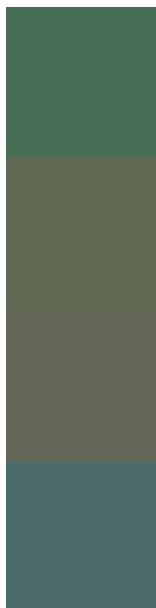
13.5070, 13.2385, 11.2946



Tritanopia

11.4706, 13.3541, 18.4960

Trichromacy



Original Color

9.9627, 13.3804, 10.8617

Protanomaly

11.3322, 13.1606, 10.1266

Deuteranomaly

11.8672, 13.1144, 11.1384

Tritanomaly

10.8140, 13.2409, 15.3504

Monochromacy



Original Color

9.9627, 13.3804, 10.8617

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.5159, 12.1063, 11.9077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9627, 13.3804, 10.8617 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(71, 111, 86)` looks like.

```
.text, #text, p{  
    color:rgb(71, 111, 86)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(71, 111, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 111, 86) }
```

Border

The CSS property to change the border of an element to XYZ 9.9627, 13.3804, 10.8617 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 111, 86) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(71, 111, 86) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(71, 111, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 111, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 111, 86);  
box-shadow:4px 4px 4px 4px rgb(71, 111,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9627, 13.3804, 10.8617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 111, 86) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(71, 111,  
86) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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